

Patent Claims

1. A dynamic mixer comprising a housing (10) and an inner body (11), which can be rotated relative to one another about a common axis and, at least in part, form a mixing chamber (12),

a termination element (20), which bounds the mixing chamber (12) and has inlet openings (21) for feeding the components which are to be mixed,

at least one outlet (24) for discharging the mixture, and

a drive region (17) which is provided on the rotatable part of the mixer,

the inner body (11) and the termination element (20) forming the stator of the mixer, and the housing (10) forming the rotor of the mixer.
2. The dynamic mixer as claimed in claim 1, in which the drive region (17) is arranged eccentrically in relation to the axis.
3. The dynamic mixer as claimed in one of the preceding claims, in which interengaging mixer blades (13, 19) are provided on the outside of the inner body (11) and on the inside of the housing (10).
4. The mixer as claimed in one of the preceding claims, in which the outlet (24) is provided at the front end of the inner body (11).
5. The mixer as claimed in one of the preceding claims, in which the housing (10) has a drive region (17) on its outer circumference.
6. The mixer as claimed in claim 5, in which the drive region (17) is driven in a non-positively locking manner.
7. The mixer as claimed in claim 5, in which the drive region (17) is driven in a positively locking manner.
8. A kit comprising a dynamic mixer as claimed in one of claims 1 to 7 and a cartridge with at least two openings and at least two chambers for

accommodating substances which are to be stored separately, it being the case that the inlet openings of the mixer can be connected reversibly, or are already connected fixedly, to the outlet openings of the cartridge.

9. A mixing arrangement comprising a delivery unit for the substances which are to be mixed, a drive element and a dynamic mixer as claimed in one of claims 1 to 7, the drive element not opening out into the common axis formed by the housing and inner body of the mixer.
10. The mixing arrangement as claimed in claim 9, the drive element being selected from carry-along pins, gearwheels, hollow pinions, frictional wheels, frictional belts and toothed belts.
11. A mixing process comprising the following steps: a) introducing into the inlet openings of a mixer as claimed in one of claims 1 to 7 at least two substances which are to be mixed, b) rotating the housing of the mixer.
12. Use of a mixer as claimed in one of claims 1 to 7 or of a kit as claimed in claim 8 or of a mixing arrangement as claimed in claim 9 for mixing dental compounds.